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ABSTRACT OF THE DISCLOSURE

A method of making an inductive transducer having inorganic nonferromagnetic material disposed in an apex region adjacent to a submicron nonferromagnetic gap in a magnetic core. The inorganic nonferromagnetic apex region can be made by chemical etching of a layer of inorganic nonferromagnetic material, deposition of inorganic nonferromagnetic material through a mask that is then lifted-off, or anisotropic etching of a layer of inorganic nonferromagnetic material that is covered by a hardbaked photoresist mask.

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